# 3Com® OfficeConnect® Wireless 54 Mbps 11g Compact USB Adapter

DATA SHEET

- Both desktop and notebook users can enjoy the freedom and convenience of wireless LANs
- High-speed 54 Mbps wireless connections and USB 2.0 support help ensure throughput for multimedia or other high-bandwidth applications
- The latest in standards-based security keeps wireless transmissions private and network resources safe from unauthorized users

## Key Benefits

### High-Speed Connectivity

For simple, reliable, high-speed wireless connections for both desktop and notebook users, choose the 3Com® OfficeConnect® Wireless 54 Mbps 11g Compact USB Adapter. Users can access network resources, the Internet, and e-mail at speeds up to 54 Mbps over secure wireless connections.

### Multiple Security Features

To keep wireless connections private, the 54 Mbps 11g USB adapter supports advanced WPA and AES encryption as well as basic WEP encryption. The USB adapter also supports the latest 802.1X authentication to help protect against unauthorized users.

### Simple Installation and Use

Preset defaults make setup and operation easy. Wireless Card Manager software lets an administrator create profiles for mobile users that reflect specific wireless LAN settings for each place they travel: users just select the proper profile and they are configured for connection.

### Flexible Operation

The sleek, compact USB adapter offers the flexibility and convenience of USB connections without sacrificing performance. The USB extension cable works with a variety of desktop and notebook designs. Users have a choice of communicating over the WLAN via ad hoc or infrastructure connectivity modes.

### Reliable Connections

Dynamic rate shifting automatically matches the best connection speed in response to physical and traffic conditions so wireless connections stay reliable.

## Features

| | Description |
|---|---|
| **HIGH-SPEED, STANDARDS-BASED CONNECTIVITY** | |
| 802.11g support | Mobile users enjoy access to network resources at speeds up to 54 Mbps over a wide coverage range. |
| 802.11b compatibility | High-speed 11g standard also supports 11b networks, preserving existing equipment investments. |
| Wi-Fi certification | Helps ensure interoperability with Wi-Fi certified products from other vendors. |
| **MULTIPLE SECURITY FEATURES** | |
| Multiple encryption and authentication schemes | WPA (Wi-Fi Protected Access), Advanced Encryption Standard (AES), and WEP (Wired Equivalent Privacy) encryption protect communications over the wireless LAN and helps ensure that only authorized users access the network. |
| 802.1X server authentication | The latest in standards-based wireless security helps ensure that only authorized users access the network. |
| **SIMPLE INSTALLATION AND USE** | |
| Wireless Card Manager | Lets administrators create profiles for each place mobile users travel. Also displays connection status and features simple-to-use diagnostic tools. |
| Dynamic rate shifting | Keeps network connections continuously available as mobile users roam by automatically matching the best connection speed. |
| Infrastructure and ad-hoc connection modes | Give users communication flexibility: choose ad hoc for simple two-way transmissions or infrastructure mode for expanded connectivity through an access point. |



Downloaded from www.Manualslib.com manuals search engine

## Specifications

**Minimum System Requirements**
Installation CD requires Windows XP/Me/2000/98/95/NT 4.0.

**Bus Type:**
USB 2.0

**Interfaces**
802.11g/b Wi-Fi compliant

**Drivers/Supported OS**
NDIS 5: Windows ME, 2000, 98SE; NDIS 5.1: Windows XP

**Wireless Data Rates**
*802.11g*: 54, 48, 36, 24, 18, 12, 9 & 6 Mbps
*802.11b*: 11, 5.5, 2 & 1 Mbps

**Frequency Band**
*802.11g/b*: 2.4-2.4835 GHz

**Modulation Technique**
*802.11g*: DSSS/CCK, OFDM (Orthogonal Frequency Division Multiplexing)
*802.11b*: DSSS/CCK (Direct Sequence Spread Spectrum/Complementary Code Keying)

**Media Access Protocol**
CSMA/CA

**Operating Channels**
1-11 North America, 1-14 Japan, 1-13 Europe ETSI

**Operating Range**
*Indoors*: 100 meters (328 feet); Outdoors: 400 meters (1312 feet

**Antenna Type**
PCB antenna

**Wireless Transmit Power**
*802.11g*: 17dBM (6, 9, 12, 18, 24, 36 Mbps), 15dBm (48, 54 Mbps)
*802.11b*: 19dBm

**Receive Sensitivity**
*802.11g*
54 Mbps: -70 dBm
48 Mbps: -71 dBm
36 Mbps: -76 dBm
24 Mbps: -80 dBm
18 Mbps: -83 dBm
12 Mbps: -86 dBm
9 Mbps: -87 dBm
6 Mbps: -87 dBm
*802.11b*
11 Mbps: -74 dBm
5.5 Mbps: -87 dBm
2 Mbps: -87 dBm
1 Mbps: -91 dBm

**Security**
WPA with TKIP, 128/192/256-bit AES, and 64/128-bit/256-bit WEP encryption
802.1X with EAP-TTLS and PEAP authentication

**Standards Conformance**
802.11g, 802.11b, 802.3, Wi-Fi, WPA, AES, WEP, 802.1X

**Dimensions & Weight**
*Height*: 1.1 cm (0.44 in)
*Length*: 7.92 cm (3.12 in)
*Width*: 2.85 cm (1.12 in)

**Regulatory/Agency Approvals**
*EMC* : FCC Part 15 Subpart C: 15.247, 15.207, CE, EN301 489-1/-17 (EN55022 and EN55024), EN 300 328 -1/-2, C-Tick Canada ICES-003, RSS210
*Safety* : EN60950-1: 2001, UL60950, R&TTE Art6.4, Taiwan DGT

**Configuration and Management**
Wireless Card Manager, pre-set defaults

**Performance Features**
Dynamic rate shifting

**LED Indicators**
Link, Activity

**Environmental Operating Ranges**
*Operating temperature*: 0º to 45º C (32º to 113º F)
*Operating humidity*: 5 to 90% non-condensing
*Storage temperature*: (-20º to 70º C (-4º to 158º F)
*Storage humidity*: 5 to 95% non-condensing

**Package Contents**
3Com® OfficeConnect® Wireless 54Mbps 11g Compact USB Adapter
USB extension cable (for convenient installation)
CD-ROM with drivers and documentation
Quick Install Guide

**Warranty Summary**
Three-year Hardware Warranty. Limited Software Warranty for 90 days. Refer to **www3com.com/warranty** for details.

## Ordering Information

| PRODUCT DESCRIPTION | 3COM SKU |
|---|---|
| 3Com® OfficeConnect® Wireless 54 Mbps 11g Compact USB Adapter | 3CRUSB10075 |
| *Related products* | |
| 3Com® OfficeConnect® ADSL Wireless 11g Firewall Router | 3CRWE754G72-B |
| 3Com® OfficeConnect® Wireless 11g Cable/DSL Router | 3CRWE554G72TU |
| 3Com® OfficeConnect® Wireless 11g Cable/DSL Router | 3CRWE554G72T |
| 3Com® OfficeConnect® Wireless 54 Mbps 11g Travel Router | 3CRTRV10075 |
| 3Com® OfficeConnect® Wireless 54 Mbps 11g Print Server | 3CRWPS10075 |
| 3Com® OfficeConnect® Wireless 11a/b/g Access Point | 3CRWE454A72 |
| 3Com® OfficeConnect® Wireless 11g Access Point | 3CRWE454G72 |
| 3Com® OfficeConnect® Wireless 11g USB Adapter | 3CRWE254G72 |
| 3Com® OfficeConnect® Wireless 11a/b/g PC Card | 3CRWE154A72 |
| 3Com® OfficeConnect® Wireless 11g PC Card | 3CRWE154G72 |

*Not available in all countries – please check with your local reseller or 3Com office for local availability

3Com Corporation, Corporate Headquarters, 350 Campus Drive, Marlborough, MA 01752-3064

To learn more about 3Com solutions, visit www.3com.com. 3Com is publicly traded on NASDAQ under the symbol COMS.

Copyright © 2004 3Com Corporation. All rights reserved. 3Com, OfficeConnect, and the 3Com logo are registered trademarks of 3Com Corporation. All other company and product names may be trademarks of their respective companies. While every effort is made to ensure the information given is accurate, 3Com does not accept liability for any errors or mistakes which may arise. Specifications and other information in this document may be subject to change without notice. 400871-001 09/04

Downloaded from www.Manualslib.com manuals search engine